

CLAIMS

1. A motor arrangement comprising a first motor component, a second motor component encircling at least part of the first motor component, and a third motor component encircling at least part of the second motor component, the first and second motor components having surfaces associated therewith adapted to define isolated cavities, the application of fluid under pressure thereto causing relative rotation between the first and second motor components, the second and third motor components having surfaces associated therewith adapted to define isolated cavities, the application of fluid under pressure thereto causing relative rotation between the second and third motor components.
2. An arrangement according to Claim 1, wherein the second motor component is secured to a drill string, the first motor component to a drill bit and the third motor component to an eccentric stabiliser.
3. An arrangement according to Claim 2, wherein the third motor component forms part of the eccentric stabiliser.
4. An arrangement according to Claim 2, wherein the third motor component and eccentric stabilizer are secured to one another through a drive arrangement arranged to transmit angular but not radial movement of the third motor component

to the eccentric stabilizer.

5. An arrangement according to any one of the preceding claims, wherein the said surfaces associated with the first and second motor components are shaped to form a first Moineau motor.
- 5 6. An arrangement according to Claim 5, wherein a first one of the said surfaces forming the first Moineau motor is of flexible form, and is shaped to define a helix.
7. An arrangement according to any one of the preceding claims, wherein the said surfaces associated with the second and third motor components are shaped to form a second Moineau motor.
- 10 8. An arrangement according to Claim 7, wherein a first one of the said surfaces forming the second Moineau motor is of flexible form, and is shaped to define a helix.
9. A motor arrangement comprising an inner motor and an outer motor encircling at least part of the inner motor.
- 15 10. An arrangement according to Claim 9, wherein the inner and outer motors are fluid driven.
11. An arrangement according to Claim 10, wherein the inner and outer motors comprise inner and outer Moineau motors.
12. A stabilizer arrangement comprising an eccentric stabilizer mounted upon a

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downhole motor arrangement, the motor being operable to control the angular position occupied by the eccentric stabilizer.

13. An arrangement according to Claim 12, wherein the motor arrangement is in accordance with any one of Claims 1 to 11.